In the Claims:

Please add new claims 46-62 as follows:

46. (New) A method of measuring while drilling into a formation, comprising:

locating a casing string within a wellbore, the casing string having at least one sensor attached thereto;

drilling into the formation using a tubular body;

measuring at least one formation parameter using the at least one sensor while drilling into the formation; and

geosteering the tubular body using the measurements obtained while drilling.

47. (New) The method of claim 46, further comprising predicting pore pressure within the formation using the measurements obtained while drilling.

48. (New) The method of claim 46, further comprising troubleshooting using the measurements obtained while drilling.

49. (New) The method of claim 46, further comprising maximizing production from the formation using the measurements obtained while drilling.

50. (New) The method of claim 46, wherein the at least one sensor comprises at least one optical sensor.

51. (New) The method of claim 50, wherein the at least one optical sensor comprises at least one optical seismic sensor.

52. (New) The method of claim 51, further comprising imaging ahead of the tubular body while drilling using a seismic source.

53. (New) The method of claim 52, wherein the seismic source is a microseismic source for microseismic imaging ahead of the tubular body.

54. (New) The method of claim 52, wherein the seismic source is external.

55. (New) A method of acoustic monitoring while drilling into a formation, comprising:

locating a casing string within a wellbore, the casing string having at least one optical sensor attached thereto;

drilling into the formation using a tubular body having an earth removal member operatively attached to its lower end; and

performing acoustic monitoring while drilling into the formation.

56. (New) The method of claim 55, wherein performing acoustic monitoring while drilling into the formation comprises monitoring the vibration of the tubular body while drilling into the formation using the tubular body.

57. (New) The method of claim 56, wherein the tubular body is a drill string.

58. (New) The method of claim 57, wherein the tubular body is a casing string.

59. (New) The method of claim 56, wherein performing acoustic monitoring while drilling into the formation comprises monitoring the vibration of the earth removal member while drilling into the formation.

60. (New) The method of claim 55, wherein performing acoustic monitoring while drilling into the formation comprises performing acoustic monitoring of drilling fluid used while drilling into the formation.

61. (New) The method of claim 60, further comprising adjusting at least one parameter of the drilling fluid based on acoustic monitoring of the drilling fluid.

62. (New) The method of claim 55, further comprising adjusting at least one parameter based on the acoustic monitoring while drilling into the formation.